# STIC Biotechnology Systems Branch

# RAW SEQUENCE LISTING ERROR REPORT

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/581,472
Source: IFWP
Date Processed by STIC: 6/14/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**
**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
**http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

| ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 10/581,472 |
|---|---|---|

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

| | | |
|---|---|---|
| 1 | Wrapped Nucleics<br>Wrapped Aminos | The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping." |
| 2 | Invalid Line Length | The rules require that a line **not exceed** 72 characters in length. This includes white spaces. |
| 3 | Misaligned Amino Numbering | The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead. |
| 4 | Non-ASCII | The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.** |
| 5 | Variable Length | Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing. |
| 6 | PatentIn 2.0 "bug" | A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.** |
| 7 | Skipped Sequences (OLD RULES) | Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:<br>(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)<br>(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)<br>This sequence is intentionally skipped<br><br>Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences. |
| 8 | Skipped Sequences (NEW RULES) | Sequence(s) _____ missing. If **intentional,** please insert the following lines for **each** skipped sequence.<br><210> sequence id number<br><400> sequence id number<br>000 |
| 9 | Use of n's or Xaa's (NEW RULES) | Use of n's and/or Xaa's have been detected in the Sequence Listing.<br>Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.<br>In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents. |
| 10 | Invalid <213> Response | Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence |
| 11 | Use of <220> | Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.<br>(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules) |
| 12 | PatentIn 2.0 "bug" | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk. |
| 13 | Misuse of n/Xaa | "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid |

IFWP

**RAW SEQUENCE LISTING** DATE: 06/14/2006
PATENT APPLICATION: **US/10/581,472** TIME: 10:37:28

Input Set : **A:\B0701226.TXT**
Output Set: **N:\CRF4\06142006\J581472.raw**

Does Not Comply
Corrected Diskette Needed
(pg. 2)

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     5 <110> APPLICANT: Plant Bioscience Limited
     7       Cammue, Bruno PA
     9       De Bolle, Miguel FC
    11       Butaye, Katleen
    15 <120> TITLE OF INVENTION: Enhanced Expression
    19 <130> FILE REFERENCE: SMK/6254247
C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/581,472
C--> 25 <141> CURRENT FILING DATE: 2006-06-01
    29 <150> PRIOR APPLICATION NUMBER: GB 0327919.7
    31 <151> PRIOR FILING DATE: 2003-12-02
    35 <160> NUMBER OF SEQ ID NOS: 3
    39 <170> SOFTWARE: PatentIn version 3.1
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    47 <212> TYPE: DNA
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    58 atgaagacaa catcatttct agtttcagaa ataataacag catcaaaacc gcagctgtaa    180
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    78 ctcccatgct gtatttcaaa gccatttctt gaatagttta cccagacatc cttgtgcaaa    780
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**RAW SEQUENCE LISTING** DATE: 06/14/2006
PATENT APPLICATION: **US/10/581,472** TIME: 10:37:28

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Output Set: **N:\CRF4\06142006\J581472.raw**

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114 cacgtggatc tacacttcct gggatctgaa gcgatttata cctcagttgc agaagcagtt   1860
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136 aaaagggaat gaaagaaaag ggctgtacag tttccaaaag gttcttcttt tgaagaaatg   2520
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152 atattat                                                           2947
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PLS EXPLAIN source OF genetic material.

Invalid Response

See item # 11 on error Summary Sheet.

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 06/14/2006
PATENT APPLICATION: US/10/581,472 TIME: 10:37:28

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Output Set: N:\CRF4\06142006\J581472.raw

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/581,472

DATE: 06/14/2006
TIME: 10:37:28

Input Set : A:\B0781236.TXT
Output Set: N:\CRF4\06142006\J581472.raw

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**RAW SEQUENCE LISTING** DATE: 06/14/2006
PATENT APPLICATION: **US/10/581,472** TIME: 10:37:28

Input Set : **A:\B0781236.TXT**
Output Set: **N:\CRF4\06142006\J581472.raw**

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**VERIFICATION SUMMARY** DATE: 06/14/2006
PATENT APPLICATION: **US/10/581,472** TIME: 10:37:29

Input Set : **A:\B0781236.TXT**
Output Set: **N:\CRF4\06142006\J581472.raw**

L:23 M:270 C: Current Application Number differs, Replaced Current Application Number
L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date